

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-8. (Canceled).

9. (Currently amended) A recording system comprising:

a first digital imaging device comprising an electronically addressable digital flat panel display configured to display a first static digital image of a first video frame and a successive second static digital image of a second digital video frame, said first static digital image video frame being generated directly from source data representative of a first full digital source image and said second static digital image video frame ~~data~~ being generated directly from source data representative of a second full digital source image of a movie;

a control unit coupled to the flat panel display, said control unit being configured to receive video data including ~~the~~ first digital data associated with the first video frame and the second digital data associated with the second video frame, wherein the control unit is also configured to determine the first video frame in response to the data associated with the first video frame and configured to determine the second video frame in response to the data associated with the second video frame, and wherein the control unit is also configured to drive the flat panel display with the first video frame and the second video frame;

a film recorder configured to record, onto movie film media, the first and second static digital images displayed on the flat panel display at a spatial resolution, color purity and depth resolution conforming to that of the first full digital image and the second full digital image; and

an adjustment mechanism coupled to the flat panel display and to the film recorder, the adjustment mechanism configured to adjust the orientation of the flat panel display relative to the film recorder in order to capture a succession of said first frame and said second frame.

10. (Currently amended) The recording system of claim 9 15 wherein the control unit is also coupled to the film recorder, and wherein the control unit is also configured to direct the film recorder to open and close a shutter and to advance the film.

11. (Currently amended) The recording system of claim 9 15 wherein the video data is encoded in a display format selected from the group: NTSC, PAL, SECAM, 720p, 720i, 1080i, 1080p.

12. (Currently amended) The recording system of claim of claim 9 15 wherein the video data is encoded in an encoding format selected from: Windows Media Video, AVI, MPEG-1, MPEG-2, MPEG-4, MJPEG, DivX, ~~Quicktime~~ QuickTime, RealMedia, H.261, and H.263.

13. (Canceled).

14. (Currently amended) The recording system of claim 9 15 further comprising:

an external illumination source configured to illuminate the flat panel display in order to enhance the static image displayed by the first digital imaging device;

wherein the external illumination source is selected from the group: LED, strobe lamp, digital light projector.

15. (Currently amended) ~~The recording system of claim 9 further~~ A recording system comprising:

a first digital imaging device comprising an electronically addressable digital flat panel display configured to display a first static digital image of a first video frame and a successive second static digital image of a second digital video frame, said first static digital image video frame being generated directly from source data representative of a first full digital source image and said second static digital image video frame data being generated directly from source data representative of a second full digital source image of a movie;

a control unit coupled to the flat panel display, said control unit being configured to receive video data including the first digital data associated with the first video frame and the second digital data associated with the second video frame, wherein the control unit is also configured to determine the first video frame in response to the data associated with the first video frame and configured to determine the second video frame in response to the data associated with the second video frame, and wherein the control unit is also configured to drive the flat panel display with the first video frame and the second video frame;

a film recorder configured to record, onto movie film media, the first and second static digital images displayed on the flat panel display at a spatial resolution, color purity and depth resolution conforming to that of the first full digital image and the second full digital image; and

an adjustment mechanism coupled to the flat panel display and to the film recorder, the adjustment mechanism configured to adjust the orientation of the flat panel display relative to the film recorder in order to capture a succession of said first frame and said second frame;

a second digital imaging device comprising a digital light projector device coupled to the control unit, the digital light projector being configured to illuminate the back side of the digital flat panel display;

wherein the control unit is also configured to drive the digital light projector with the first video frame while the flat panel display is driven with the first video frame in order to enhance location-specific brightness and color of the corresponding full digital static image displayed by the first digital imaging device as photographed by the film recorder.

16. (Currently amended) The recording system of claim 9 15 wherein a frame rate for the digital source images is substantially similar to a frame rate for film.

17. (Currently amended) A method for transferring video data to movie film media on a frame-by-frame basis comprising:

positioning a film camera and a digital flat panel display relative to each other such that an optical-axis of the film camera is substantially parallel to an optical-axis normal to the face of the digital flat panel display;

receiving directly from a digital data source at least a portion of a stream of digital video data at the digital flat panel display;

determining first data for a first full static digital image from the portion stream of video data;

driving the flat panel display with the first data corresponding to the first full static digital image;

displaying the first full static digital image on the digital flat panel display in response to the first data;

recording the first full static digital image onto a first frame of the movie film media with the film camera at a spatial and depth resolution substantially the same as that of the first full digital image;

advancing the film media;

determining second data for a second full static digital image from the portion of the stream of video data;

driving the digital flat panel display with the second data corresponding to the second full static digital image;

displaying the second full static digital image on the digital flat panel display in response to the second data; and

recording the second full static digital image onto a second frame of film media with the film camera at a spatial and depth resolution substantially the same as that of the second full digital image as part of a continuous movie film.

18. (Currently amended) The method of claim 17 25 further comprising:
driving a digital light projector with the first data; and
projecting the first full digital static image onto a back side of the flat panel display to thereby illuminate the flat panel display in order to enhance location-specific

brightness and color of the corresponding first full digital static image displayed by the first digital imaging device as photographed by the film recorder.

19. (Currently amended) The method of claim 17 25 further comprising illuminating at least a portion of the flat panel display with a light source selected from the group: LEDs, strobe lamps.

20. (Currently amended) The method of claim 17 25 wherein the stream of video data is encoded in a display format selected from the group: NTSC, PAL, SECAM, 720p, 720i, 1080i, 1080p.

21. (Currently amended) The method of claim 17 25 wherein the stream of video data is encoded in an encoding format selected from: Windows Media Video, AVI, MPEG-1, MPEG-2, MPEG-4, MJPEG, DivX, ~~Quicktime~~ QuickTime, RealMedia, H.261, and H.263.

22. (Currently amended) The method of claim 17 25 wherein a frame rate for the stream of video data compared to a frame rate for the film media is selected from the group: substantially equal, greater, lesser.

23. (Currently amended) The method of claim 17 25 further comprising:

- a) further advancing the movie film media;
- b) determining third data for a third image from the portion of the stream of video data;
- c) driving the flat panel display with the third data;
- d) displaying the third image on the flat panel display in response to the second data;
- e) recording the third image onto a third frame of the movie film media with the film camera;
- f) repeating steps a)-f) for recording additional images onto subsequent frames of the film media; and

g) determining an approximate number of frames of the movie film media that are recorded; and

h) determining a cost for transferring the video data to film in response to the approximate number of frames.

24. (Canceled).

25. (Currently amended) ~~The recording system of claim 9 further~~ A method for transferring video data to movie film media on a frame-by-frame basis comprising:

providing a plurality of digital light projectors coupled to the a control unit, the digital light projectors configured to jointly and severally illuminate the flat panel display displays with matched full digital static images;

receiving directly from a digital data source at least a portion of a stream of digital video data at the digital flat panel displays;

determining first data for a first full static digital image from the portion stream of video data;

driving the flat panel display with the first data corresponding to the first full static digital image;

displaying the first full static digital image on the digital flat panel display in response to the first data;

recording the first full static digital image onto a first frame of the movie film media with the film camera at a spatial and depth resolution substantially the same as that of the first full digital image;

advancing the film media;

determining second data for a second full static digital image from the portion of the stream of video data;

driving the digital flat panel display with the second data corresponding to the second full static digital image;

displaying the second full static digital image on the digital flat panel display in response to the second data; and

recording the second full static digital image onto a second frame of film media with the film camera at a spatial and depth resolution substantially the same as that of the second full digital image as part of a continuous movie film.

wherein the control unit is also configured to drive the digital light projectors with the first video frame while the flat panel display is driven with the first video frame in order to enhance location-specific brightness and color of the corresponding full digital static image displayed by the first digital imaging device as photographed by the film recorder.

26. (Canceled).